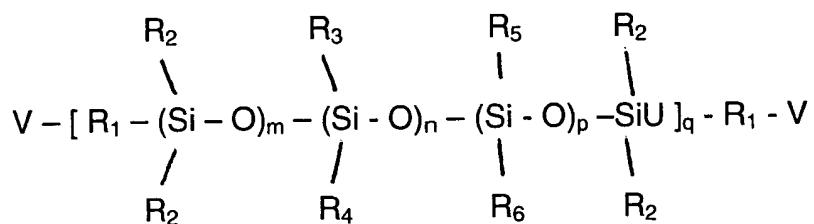
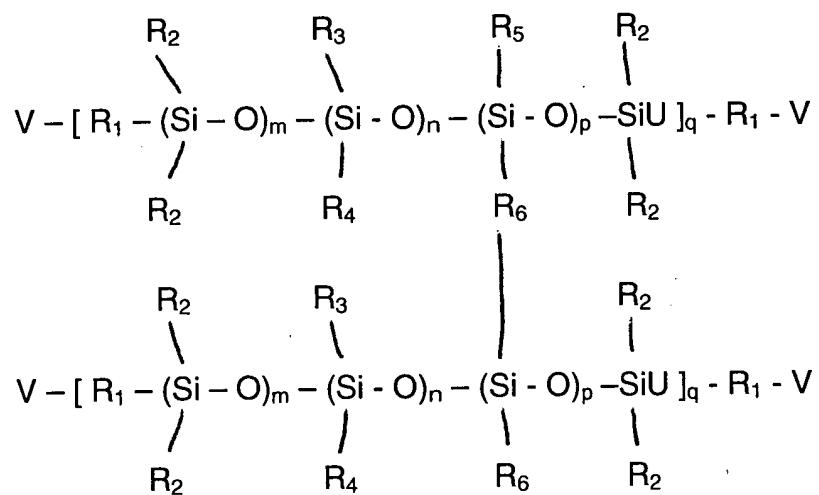


We claim:

1. Prepolymers comprising:



or



wherein the V groups may be the same or different reactive or polymerizable groups; the R₁ groups may be nothing or the same or different spacer groups; the R₂ groups may be the same or different C₁₋₆ alkyl groups; R₃ is either R₂ or R₄; R₄ is a C₆₋₃₀ aromatic group; R₅ is R₂, R₄ or R₆; R₆ is a functional group that absorbs blue light; U is either nothing or a difunctional linkage; and m, n, p and q represent the same or different non-negative integers greater than zero.

2. The prepolymers of claim 1 wherein said V groups are selected from the group consisting of vinyl, allyl, acrylate, methacrylate, acrylamide, methacrylamide, fumarate, maleate and styrene.
3. The prepolymers of claim 1 wherein said R₁ groups are selected from the group consisting of nothing, a C₁₋₁₂ alkylene and an organic spacing group of up to 12 atoms.
4. The prepolymers of claim 3 wherein said organic spacing group is composed of carbon, hydrogen, silicon, oxygen, nitrogen, phosphorous, sulfur, chloride, bromine or fluorine, alone or in any combination.

5. The prepolymers of claim 1 wherein said R₆ group is derived from a reactive yellow dye.
6. The prepolymers of claim 1 wherein said R₆ group is derived from a reactive yellow dye with ethylenically unsaturated groups selected from the group consisting of vinyl, allyl, acrylate, methacrylate, acrylamide, methacrylamide, fumarate, maleate, itaconate, styrene and nitrile.
7. The prepolymers of claim 1 wherein said U group is nothing or a difunctional linkage, which renders the prepolymer with multiple blocks of polysiloxane groups.
8. The prepolymers of claim 1 wherein said U group is urethane.
9. The prepolymers of claim 1 wherein said prepolymers have blue light absorption properties.

10. A polymeric composition produced through the copolymerization of one or more prepolymers of claim 1 with one or more monomers or oligomers.
11. A polymeric composition produced through the copolymerization of one or more prepolymers of claim 1 with one or more monomers or oligomers, one or more strengthening agents, one or more crosslinking agents and one or more catalysts.
12. The polymeric composition of claim 10 or 11 wherein said one or more monomers or oligomers are selected from the group consisting of high refractive index siloxane-containing acrylates, high refractive index siloxane-containing methacrylates, aromatic-group-containing acrylates, aromatic-group-containing methacrylates, vinyl- or allyl-containing siloxane monomers having high refractive indices, and vinyl or allyl-containing aromatic monomers.

13. The polymeric composition of claim 11 wherein said strengthening agent is selected from a group consisting of a silica filler and a siloxane-based resin with at least one vinyl group.
14. The polymeric composition of claim 11 wherein said strengthening agent is a silica filler.
15. The polymeric composition of claim 11 wherein said strengthening agent is a siloxane-based resin with at least one vinyl groups.
16. The polymeric composition of claim 11 wherein said crosslinking agent is polydimethylco-methylhydrosiloxane.
17. The polymeric composition of claim 11 wherein said catalyst is selected from the group consisting of Pt-silicone complex, potassium silanoate and aminosilanoate.

18. The polymeric composition of claim 11 wherein said catalyst is Pt-silicone complex.
19. A process for producing the prepolymers of claim 1 comprising:
 - producing a silicone-containing cyclic compound;
 - adding a reactive dye moiety to said cyclic compound; and
 - reacting said cyclic compound with a divinyl siloxane.
20. A process for producing a polymeric composition comprising:
 - polymerizing one or more prepolymers of claim 1 with one or more monomers or oligomers.
21. A process for producing a polymeric composition comprising:
 - polymerizing one or more prepolymers of claim 1 with one or more monomers or oligomers, one or more strengthening agents, one or more crosslinking agents and one or more catalysts.

22 The process of claim 20 or 21 wherein said one or more monomers or oligomers are selected from the group consisting of high refractive index siloxane-containing acrylates, high refractive index siloxane-containing methacrylates, aromatic-group-containing acrylates, aromatic-group-containing methacrylates, vinyl- or allyl-containing siloxane monomers having high refractive indices, and vinyl or allyl-containing aromatic monomers..

23. The process of claim 21 wherein said reinforcing component is selected from a group consisting of silica filler or a siloxane-based-resin with at least one vinyl groups.

24. The process of claim 21 wherein said reinforcing component is a silica filler.

25. The process of claim 21 wherein said reinforcing component is a siloxane-based resin with at least one vinyl group.

26. A method of producing an ophthalmic device using the polymeric composition produced through the process of claim 20 or 21 comprising:
casting said polymeric composition into a shaped body.

27. A method of using the ophthalmic device produced through the method of claim 26 comprising:
implanting said ophthalmic device in an eye.

28. A method of producing an ophthalmic device using a polymeric composition produced from one or more of the prepolymers of claim 1 comprising:
casting said polymeric composition into a shaped body.

29. A method of using the ophthalmic device produced through the method of claim 28 comprising:
implanting said ophthalmic device in an eye.

30. A medical device containing one or more of the prepolymers of claim 1.

31. An intraocular lens containing one or more of the prepolymers of claim 1.